



# **Standard Drought Contingency Plan For Athletic Field Irrigation**

**For**

**Eanes ISD**

Prepared By

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For

Eanes ISD Maintenance & Operations

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## **STANDARD DROUGHT CONTINGENCY PLAN FOR ATHLETIC FIELD IRRIGATION**

### **Section 1 Declaration of Policy, Purpose, and Intent**

LCRA provides contracts to customers for water supply. In cases of extreme drought, periods of abnormally high usage, system contamination, or extended reduction in ability to supply water due to equipment failure, LCRA may require water customers to institute temporary restrictions to limit non-essential water usage. The purpose of the Drought Contingency Plan is to encourage a reduction of water use in order to maintain supply, storage, or pressure or to comply with the requirements of a court, government agency or other authority. Upon acceptance of this plan as indicated by the signature of the customer representative at the end of this document, this Drought Contingency Plan is incorporated into the customer's water sale contract. LCRA may require plan updates from time to time in accordance with changes in state law or LCRA rules.

### **Section 2 Public Education**

The water customer will periodically provide its employees, members, and the general public with information about this drought contingency plan, including the importance of the plan, information about the conditions under which each stage of the plan is to be initiated, processes to reduce water usage, and impending or current drought conditions.

Drought plan information will be provided by means of: meetings with staff, newsletter articles, and information sheets available on site.

### **Section 3 Initiation and Termination of Response Stages**

The water customer's designated manager or official will be responsible for the initiation and termination of drought response stages based on the triggering criteria set forth in this plan in accordance with LCRA's Water Management Plan.

#### **Triggering Criteria for Initiation and Termination of Drought Response Stages**

##### **(1) STAGE 1 – Mild Water Shortage Conditions (Voluntary Measures)**

- A. **Requirements for Initiation:** Stage I will be initiated when one or a combination of such triggering criteria occurs:
- Combined storage of Lakes Travis and Buchanan reaches 1.4 million acre-feet in accordance with the LCRA Drought Contingency Plan for Firm Water Customers (LCRA DCP); and

- Upon notification from LCRA that it is implementing Stage 1 of the LCRA DCP.
- B. Requirements for termination:** LCRA announces that mandatory water restrictions for firm water customers are no longer required in accordance with the LCRA DCP.

**(2) STAGE 2 – Moderate Water Shortage Conditions (Mandatory Measures)**

- A. Requirements for Initiation:** Stage II will be initiated when one or a combination of such triggering criteria occurs:
- Combined storage of Lakes Travis and Buchanan reaches 900,000 acre-feet in accordance with the LCRA DCP; and
  - Upon notification from LCRA that it is implementing Stage II of the LCRA DCP.
- B. Requirements for termination:** LCRA announces that mandatory water restrictions for firm water customers are no longer required in accordance with the LCRA DCP.

**(3) STAGE 3 – Severe Water Shortage Conditions (Mandatory Measures)**

- A. Requirements for Initiation:** Stage III will be initiated when one or a combination of such triggering criteria occurs:
- Combined storage of Lakes Travis and Buchanan reaches 600,000 acre-feet, in accordance with the LCRA DCP;
  - The LCRA Board declares a drought worse than the Drought of Record or other water supply emergency and orders the mandatory curtailment of firm water supplies; and
  - Upon notification from LCRA that it is implementing Stage III of the LCRA DCP.
- B. Requirements for Termination:** LCRA announces that mandatory water restrictions for firm water customers are no longer required in accordance with the LCRA DCP.

**(4) STAGE 4 – Emergency Water Conditions**

- A. Requirements for Initiation:** Stage IV will be initiated when one or a combination of such triggering criteria occurs:
- Natural or man-made contamination of the water supply source; and
  - Any other emergency water supply or demand conditions that the LCRA general manager or the LCRA Board determines that either constitutes a water supply emergency or is associated with the LCRA Board declaration of a drought worse than the drought of record.
- B. Requirements for Termination:** LCRA announces that mandatory water restrictions for firm water customers are no longer required in accordance with the LCRA DCP.

## Section 4 Drought Response Measures

### (1) STAGE 1 – Mild Water Shortage Conditions (Voluntary Measures)

- A. **Target:** Achieve a 5% reduction in total water use.
- B. **Water Use Reduction Response Measures:**
- Limit irrigation of landscaped turf grass and planting beds to no more than LCRA's recommended outdoor watering schedule (See Appendix A).
  - Limit irrigation of non-play areas (sidelines, spectator areas, greenbelts, hike/bike trails, playgrounds, etc.) to no more than LCRA's recommended outdoor watering schedule.
  - Reduce irrigation amount on all play areas to achieve reduction target.
  - Reduce irrigation of all practice or multi-use fields to achieve reduction target.
  - Limit washing/rinsing of maintenance equipment to twice per week during designated watering times (unless a closed-loop recycled water system is used).
  - Discontinue washing/rinsing of buildings, walls, structures, paved and other hard-surfaced areas including sport courts.
  - Discontinue operation of ornamental fountains and water features except those used to sustain water quality and aquatic habitat.

### (2) STAGE 2 – Moderate Water Shortage Conditions (Mandatory Measures)

- A. **Target:** Achieve a 10% - 20% reduction in total water use.
- B. **Water Use Reduction Response Measures:**
- Limit irrigation of landscaped turf grass and planting beds to no more than LCRA's recommended outdoor watering schedule (See Appendix A).
  - Discontinue irrigation of all non-play areas (sidelines, spectator areas, greenbelts, hike/bike trails, playgrounds, etc.).
  - Reduce irrigation amount on all play areas to achieve reduction target.
  - Reduce irrigation of all practice or multi-use fields to achieve reduction target.
  - Limit washing/rinsing of maintenance equipment to once per week.

- Discontinue washing/rinsing of buildings, walls, structures, paved, and other hard-surfaced areas including sport courts.
- Discontinue operation of ornamental fountains and water features.
- Limit all non-play traffic on fields to reduce compaction and turf stress.

**(3) STAGE 3 – Severe Water Shortage Conditions (Mandatory Measures)**

A. **Target:** Achieve a minimum 20% reduction in total water use.

B. **Water Use Reduction Response Measures:**

- Irrigation of landscaped turf grass and planting beds will be prohibited except by use of hand-held hose, hand-held bucket, or drip irrigation.
- Discontinue irrigation of all non-play areas (sidelines, spectator areas, greenbelts, hike/bike trails, playgrounds, etc.).
- Reduce irrigation amount on all play areas to achieve reduction target.
- Reduce irrigation of all practice or multi-use fields to achieve reduction target.
- Discontinue washing/rinsing of all maintenance equipment.
- Discontinue washing/rinsing of buildings, walls, structures, paved, and other hard-surfaced areas including sport courts.
- Discontinue operation of ornamental fountains and water features.
- Divert all non-play traffic away from fields to reduce compaction and turf stress.

**(4) STAGE 4 – Emergency Water Conditions**

A. **Target:** Water supply reduction target as determined by the LCRA Board.

B. **Water Use Reduction Response Measures:**

**All non-essential outdoor water use is prohibited unless water source is from an alternate supply, such as reclaimed water, rainwater, or graywater.**

- Limit Irrigation of all play areas to no more than LCRA’s recommended outdoor watering schedule (See Appendix A) and to means of hand-held hose only.

- Discontinue watering of landscaped planting beds.
- Discontinue the irrigation of all non-play areas.
- Discontinue washing/rinsing of maintenance equipment.
- Discontinue washing/rinsing of buildings, walls, structures, paved, and other hard-surfaced areas including sport courts.
- Discontinue operation of ornamental fountains and water features.

**Section 5 Notification to LCRA**

Notification of any mandatory provisions of this drought contingency plan shall be made to the LCRA General Manager in writing within five (5) business days of implementation.

**Section 6 Implementation**

By signing below, the water customer’s authorized representative warrants and represents that: 1) the water customer has approved this plan; and, 2) the representative is authorized by the water customer to implement this plan.

In a shortage of water not covered by the LCRA Water Management Plan or other conservation plan approved by TCEQ applicable to LCRA’s firm water supply, a water contract customer who fails to implement its applicable drought contingency plan is subject to curtailment of firm water supply by LCRA based on the customer’s pro rata share less the amount of water the customer would have saved if the customer had operated its water system in compliance with the drought contingency plan.

**Approved and Accepted:**

Norman Hopkins – Grounds Supervisor

\_\_\_\_\_  
Water Customer’s Authorized Representative

3/7/2011

\_\_\_\_\_  
Date

**Appendix A – Watering Schedule, No More Than Twice Per Week**

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Irrigate outdoors using an in-ground irrigation system or hose-end sprinkler no more than **TWICE per week** and only during scheduled days and times as indicated below:

**Residential**

Odd number addresses: Wednesdays and Saturdays

Even number addresses: Thursdays and Sundays

**Commercial** (including large landscapes such as HOA common areas)

Tuesdays and Fridays

**Watering Hours:**

Midnight to 10 a.m. and 7 p.m. to midnight